



November 2010.doc

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Provided as a courtesy. Significant highlights only that the general "at large" tribal council might be interested in.



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**Cherokee Nation Environmental Programs  
Clean Air, Clean Water, and Pesticides  
Monthly Report  
November 2010**

***Clean Air Program***

**Cherokee Nation Clean Air Projects**

- Released the INFO Exchange Grant Bid to public. Information Exchange grant will be used to assist in uploading air quality data to the CN online data node (depository) – this will provide another avenue for public access of data.
- Stilwell NCORE site tour with various Federal Partner Officials; primary focus was mercury monitoring projects;
  - Mark Olsen, USGS; University of Illinois AMNET liaison.
  - Mark Sather, U.S. EPA R6
  - Johnson Matthew, U.S. EPA Houston Lab
  - Gerard Van der Jagt, Frontier Geosciences (Laboratory Partner).
- Tribal Summit preparation; air sessions offered.
- Continuous Development of a Clean Air Video (CNEP & CN Communications)
  - Interviews with Illinois State University - David Gay
  - Utilized Cherokee Nation aircraft for aerial video footage
- Researching new continuous ammonia instrumentation.
- Upload of air quality data to EPA AQS database. (3<sup>rd</sup> Qtr 2010).
- CastNet ammonia sampling project is underway.
- Illinois State ammonia sampling project continues at Stilwell.
- University of Pittsburg ALPHA ammonia sampling project continues.
- Tekran continuous mercury analyzer is online and reporting data.
- Wet deposition mercury sampling at one location; Stilwell.
- Ambient air monitoring stations: (Tahlequah, Newkirk, Pryor, Roland, and Stilwell NCORE).

**ITEC Clean Air Projects**

- Osage Nation mobile monitoring project support (2010-2011)
- Ongoing support to Delaware Nation Air Program
  - Troubleshooting equipment and data management.
- Ongoing technical assistance provided to the Alabama Coushatta, Quapaw, Delaware, Miami, Choctaw, and Sac & Fox Nations.

**EPA Clean Air Markets Mercury Contract**

- Ongoing operations of the Tekran Ambient Air Mercury sampler at Stilwell.

### ***Clean Water Program (Cherokee Nation Only)***

- Staff completed entering the CNEP water data into EPA's WQX database. All records current.
- Staff received final water data results from contract laboratory and has began final TAR for FY10 Clean Water Grant
- Staff will begin FY2011 water monitoring schedule listed below.
  - October was an "off" month.
- Winterized field sampling equipment

### ***Cherokee Nation Water Bodies currently monitored & sampling frequencies***

- Caney Creek - Quarterly
- Flint Creek - Quarterly
- Fourteen Mile Creek - Quarterly
- Little Lee Creek - Quarterly
- Saline Creek - Quarterly
- Sallisaw Creek - Quarterly
- Spavinaw Creek - Quarterly
- Spring Creek - Quarterly
- Lake Hudson – Monthly for six months out of the year

### ***Pesticides Program***

#### **Cherokee Nation Projects**

- Larry Scrapper and Jackie Woodward are nearing completion of requirements to obtain EPA Federal Inspector Credentials within the FIFRA program. The anticipated date for securing credentials is by January 1<sup>st</sup> 2011.
- Pesticides assessment at Cherokee Salina Health Clinic.
- Development stages of a pesticides application notification process for vendors who apply within Cherokee facilities.
- Updated the Pesticides Program table top display.
- Staff completed a year end review with EPA grant officials on 11/9/10. In addition, EPA was given a tour of various CN facilities including the golf course, food distribution, and the Markhoma property.
  - EPA action items recommended – updated detailed reporting of events and activities recommended – CN concurs.

#### **ITEC Circuit Rider Pesticides Program**

- Staff promoted and assisted with the ODAFF unwanted pesticides collection event at Coweta Oklahoma. Staff took pictures and distributed outreach materials. 11/18/10.

- Future pesticides collection events are being scheduled for areas within ITEC tribes and Cherokee Nation.

***Misc. Activities for Air, Water, & Pesticides Programs***

- Larry Scrapper and Jackie Woodward attended the fall State and Tribal pesticides meeting in Dallas on 10/25/10. Larry provided an update on Cherokee Nation and ITEC pesticides program activities.
- "Generational Differences and Communications Course" – April Hathcoat.
- Participation in CENRAP planning call – April Hathcoat
- Participation in various EPA regional and national air related calls. – staff.

